

# Víctor Martínez Román

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## Education

### Tecnológico de Monterrey (ITESM) – Estado de México, México

Bachelor of Science in Computer Science and Technology Engineering (ITC)

Graduating May 2024

Cumulative GPA: 89/100

## Cybersecurity Experience

Mobile pentesting, network analysis, Red/Blue team, SIEM experience, Digital Forensics

2016 – Present

- Home network audit experience to enhance security.
- Mobile security audit to prevent and remove malware.
- Detection and mitigation from social engineering attacks.
- Knowledge of multiple hacking tools and their mitigations.
- Avoidance and removal of remote access tools.

## Work Experience

### Karibuü

Backend lead programmer for ERP system

Oct 2022 – Oct 2023

- Flask and MongoDB experience.
- Production server configuration.

### Hogar a tiempo

Backend programmer using AWS Lambda, DynamoDB, S3 and API Gateway

Apr 2023 – Dec 2023

## Major School Projects

### Mobile app for Atizapán de Zaragoza

Tech: Kotlin, Python, Flask, MongoDB, Nginx

Aug 2022 – Oct 2022

- Developed a mobile app capable of alerting the local population of potential risks in the area.
- Developed an admin panel to manage the alerts in real time.
- Developed a notification system with near to zero delay.

### Platform for the awareness in auditive health.

Tech: NodeJS, React, JavaScript, HTML, SCSS, SQL, Firebase, C#, Unity

Feb 2022 – Jun 2022

- Developed a platform for users that want to learn about auditive health through a Unity compiled videogame.
- Developed a gameplay with gamification techniques.
- Developed a Unity connection to a web responsive platform and a SQL database to visualize the user statistics.

### Weather and humidity tracking system.

Tech: HTML, Bootstrap, SCSS, C++ (Arduino), SQL, PHP, IOT

Aug 2021 – Dec 2021

- Developed a system capable of keeping track of humidity and weather in real time.
- Developed a dashboard for visualizing the logged data.
- Created a web server within a Node MCU for real time tracking.

## Skills

Languages: R, Rust, C++, C# , Python, JavaScript, Typescript, Clojure, Kotlin

Frameworks: React, NextJS, CSS/SCSS, SQL, MongoDB, Firebase

Tools/Applications: Git, Docker, Unity, Cisco Packet Tracer, Office Suite, MSProject

Platforms: GNU/Linux, Windows, BSD systems